

**FY 2000 Subsistence Fisheries Project Narrative
Project #25**

Project Title: Abundance and Run Timing of Adult Salmon in Henshaw Creek, Koyukuk River Drainage, Alaska

Investigator Organizations: USF&WS Fairbanks Fisheries Resources Office, local hires in Allakaket and Alatna

Geographic Area: Yukon River

Information Type: Stock Status and Trends

Issue Addressed: Chinook and chum salmon from Henshaw Creek contribute to the subsistence and commercial fisheries harvest in the Yukon River drainage. However, accurate monitoring of specific stocks from the Koyukuk river drainage is very limited. Escapement monitoring for three years will provide in-season information and allow for post season analysis of management practices.

Study Objectives:

1. Determine daily escapement and run timing of adult salmon into Henshaw Creek,
2. Determine sex and size composition of chinook and chum salmon in Henshaw Creek, and
3. Determine presence and movement of resident species in Henshaw Creek.

Project Description: A resistance board weir will be used to determine the salmon escapement in Henshaw Creek for three years. The weir will be in place from approximately the third week of June until the middle of August. A fish trap will be used to sample fish for age, length, and sex as they move up to spawning areas in the river. A camp will be established in association with the weir for the crew. The crew, including crew leader, will consist of four people on site at least for the first year of study. Hiring emphasis will be on local hires. The material for the weir will be provided by the Service from the weir that was used on the South Fork Koyukuk River.

Consultations Completed / Potential for Capacity Building:

A counting tower was used on Henshaw Creek during July 1999 and was staffed by residents from the nearby villages of Allakaket and Alatna. A presentation of the weir operation was made to the Allakaket Tribal Council on December 14, 1999. This project is identified in the Yukon River Comprehensive Salmon Management Plan (1998).

Deliverables / Products:

A report on the results from the weir study will be completed each fall. The report will include text of methods and result, tables, and graphical representation of the results.

Annual Budget Summary	Federal Agency	Local Hires	Total
FY 2000	\$37.1 K	\$ 33.2 K	\$70.3 K
FY 2001	\$31.1 K	\$ 33.2 K	\$64.3 K
FY 2002	\$31.1 K	\$ 33.2 K	\$64.3 K
Total	\$ 99.3 K	\$ 99.6K	\$198.9 K